

Curriculum Vitae and Bibliography

Zaw Maung, MD, MPH, QME

PERSONAL INFORMATION

Citizenship: United States

Home Address:

Contact Information:

EDUCATION

Johns Hopkins Bloomberg School of Public Health – Baltimore, Maryland 2016-2017
Master of Public Health
Certificate: Health Leadership and Management

University of Central Florida College of Medicine – Orlando, Florida 2010-2014
Doctor of Medicine

University of California, Riverside – Riverside, California 2004-2008
Bachelor of Science in Neuroscience, minor in Political Science Administration

RESIDENCY TRAINING

Johns Hopkins University Bloomberg School of Public Health 2016-2018
Residency in Occupational and Environmental Medicine
Baltimore, MD

University of California Davis Medical Center 2014-2016
Internship and PGY-II in General Psychiatry
Sacramento, CA

LICENSURE AND CERTIFICATIONS

- Board Certification in Occupational and Environmental Medicine 2019-2028
- California Medical License: A138946 2019-2021
- DEA License: FM5633929 2019-2023
- National Provider Identifier (NPI): 1508274424
- Qualified Medical Evaluator in State of California
- DOT Medical Examiner Certification: 1514125822
- Medical Review Officer
- United States Medical Licensing Exams: Step 1, Step 2 CK/CS, Step 3
- Basic Life Support

AWARDS AND HONORS

The Randy E. Bass Award Johns Hopkins University School of Public Health Schoolwide Awards in the Department of Environmental Health and Engineering	2018
Paul S. Lietman Global Health Fellowship Johns Hopkins University Center for Global Health	2017
University of Central Florida Scholarship 1 of the 6 students selected for a full four-year scholarship sponsored by Florida Hospital.	2010-2014
Outstanding Senior in Psychiatry – University of Central Florida	2014
Cureus Fall 2012 Poster Competition Second place in category Transplantation	2012
University of Central Florida Research Grant	2010-2013

CLINICAL EXPERIENCES

UCSF, Division of Occupational and Environmental Medicine 2020-Present
Assistant Clinical Professor

ZSFG Occupational Health Services – *Associate Medical Director*

- Led the COVID-19 response at Zuckerberg San Francisco General Hospital.
- Oversee COVID-19 employee health services including COVID-19 hotline operations, contact investigation and tracing, cluster/outbreak investigations and surveillance testing in addition to working with hospital leadership on developing institutional policies and response strategies.

UCSF Medical Center Occupational Health Services – *Attending Physician*

- Lead physician for outpatient clinic supporting UCSF employees for workplace injuries and related health problems.

UCSF Occupational and Environmental Medicine Clinic - *Attending Physician*

Dane Street Utilization Review 2019-2020

- Review medical necessity and appropriateness of Workers' Compensation cases to ensure diagnostic, pharmacological and treatment management are consistent with appropriate guidelines including ODG, ACOEM, CA MTUS

Saint Francis Memorial Hospital - Occupational Medicine Physician 2018-2020

- Occupational Medicine Services: Workplace injuries, Department of Transportation (DOT) Commercial Motor Vehicle Certification, Return to work and Fit for Duty Assessments, OSHA-required Respiratory evaluations, and pre-employment physical.
- Urgent Care Services
- Developed and led the EMR transition from paper charts for the two occupational health clinics

- Developed and transitioned the clinics into a telemedicine model of care delivery during the COVID-19 pandemic
- Specialty focus on work-related exposures to COVID-19 and providing consultations for businesses in safe re-opening

WorkWell Medical Group - Staff Physician

2018-2019

- Urgent Care and Primary Care Services
- Occupational Medicine Services: Workplace injuries, Medical Supervision of Pesticide Workers, Mid-level Supervision, Department of Transportation (DOT) Commercial Motor Vehicle Certification, Return to work and Fit for Duty Assessments, OSHA-required Respiratory evaluations, and pre-employment physical.

Johns Hopkins University Occupational and Environmental Medicine Residency

2016-2018

Johns Hopkins Hospital | Baltimore, MD

- Participated in the following clinical activities: medical surveillance exams; fitness for duty exams; acute and follow-up injury evaluations; return to duty exams; independent medical evaluations; work-relatedness determinations and disability evaluations.
- Participated in case management and injury case review regarding occupational illnesses and injuries; medical surveillance programs; needle stick injury program; workers' compensation and disability management and hazard recognition and evaluation.
- Worked with industrial hygienists and safety specialists in field settings to address biosafety, radiation safety, ergonomics, indoor air quality and chemical hazards.
- Participated in U.S. Department of Energy Former Worker Examination Programs at Los Alamos and Sandia National Laboratories; interpreted complicated occupational exposure histories; examined former workers; evaluated likelihood of occupational disease from past exposures.

U.S. Occupational Safety and Health Administration (OSHA) | Washington, DC

- Participated in the development of Health & Safety standards, particularly medical surveillance sections.
- Assisted in responding to occupational health related inquiries from health care professionals, government officials, academia, industry, and the public via letters, emails or phone calls.

Pearl Harbor Naval Shipyard-Occupational Health Clinic | Pearl Harbor, Hawaii

- Participated in care of civilian and military workers at the Navy Shipyard, including providing injury care, conducting post-offer physicals, interpreting complicated occupational exposure histories, and evaluating results from audiometry, spirometry and pulmonary function tests.
- Examined workers for medical surveillance and certification in accordance with the Navy Medical Matrix for: exposure to noise, radiation, lead, cadmium, chromium, asbestos, arsenic, silica, beryllium, metal fumes, isocyanate, and certifications for forklift operation, and explosive handling.

International Association of FireFighters (IAFF) | Washington, DC

- Assisted in responding to health related inquiries from individual firefighters, local representatives, and attorneys. Provided health related information in regards to fire fighter exposures (combustion products from fires and diesel exhaust, asbestos, etc.)
- Reviewed medical history of firefighters to determine work-relatedness of various medical disorders and associations between firefighting and cancer or other diagnoses.

- Reviewed relevant NFPA standards, developed science documents, and edited population-based programs provided by Health and Safety Department at the IAFF.

Center for Occupational and Environmental Neurology | Baltimore, MD

- Participated in evaluation and management of patients with work-related neurological injuries and illnesses including traumatic brain injury, complex regional pain syndrome, post-concussion syndrome, migraines, depression, and myofascial pain syndrome.

University of Maryland Division of Occupational Medicine | Baltimore, MD

- Participated in evaluation and management of patients with work-related pulmonary diseases including silicosis, pleural plaques, asbestosis, pulmonary fibrosis, occupational asthma, occupational rhinitis, COPD, beryllium sensitization, chronic beryllium disease, reactive airways dysfunction syndrome, and post-deployment syndrome.

CorpOHS | Frederick, MD

- Participated in the following clinical activities: Surveillance exams; respirator certification exams; fitness for duty exams; applicant exams; acute and follow-up injury evaluations; return to duty exams; FAA exams; CDME certification exams; travel consultations; and independent medical evaluations.
- Participated in education of travelers regarding health care overseas and regional health risks as well as recommendation for prophylactic immunizations, medications, and access to care overseas.

University of California Davis Medical Center General Psychiatry Training Program Internship

2014-2015

Inpatient and outpatient rotations at UC Davis Medical Center, Sacramento VAMC, Sacramento County Jail: *Internal Medicine, Neurology, Pediatrics Emergency Medicine, Urgent Care, Primary Care Clinic, Telemedicine, Psychosomatic Medicine, Addiction Psychiatry.*

Psychiatry Resident, PGY-II

2015-2016

Inpatient and outpatient rotations at UC Davis Medical Center, Sacramento VAMC, Sacramento County Mental Health Treatment Center: *General Psychiatry Unit, Emergency Psychiatry, Geriatrics, Continuity Clinic, Medical Toxicology.*

OTHER WORK EXPERIENCES

T. Delaney SEAM Studio - San Francisco, CA
Graphic Designer/Project Assistant

2008-2010

University of California, Riverside Department of Entomology – Riverside, CA
Lab Assistant

2007-2008

PROFESSIONAL ORGANIZATION MEMBERSHIPS

American College of Occupation and Environmental Medicine
World Medical Association – Junior Doctors Network

2013-Present
2016-Present

American Psychiatric Association	2013-2016
Central California Psychiatric Society	2014-2016
American Medical Student Association	2010-2014
American Medical Association	2010-2014

PROFESSIONAL MEETINGS ATTENDED

American Occupational Health Conference New Orleans, LA	2018
John P. Redmond Health and Safety Symposium Vancouver, British Columbia	2017
American Occupational Health Conference Denver, CO	2017
IMEC Technology Healthcare Forum at Johns Hopkins University Baltimore, MD	2016
Disaster Health Education Symposium: Innovations for Tomorrow Washington D.C.	2016
Central California Psychiatric Society Annual Meeting Monterey Bay, CA	2015
American Psychiatric Association Annual Meeting San Francisco, CA	2013

ORGANIZATION ACTIVITIES

<u>University of California, San Francisco</u>	
ZSFG Infection Control Committee	2020 - Present
UCSF Institutional Biosafety Committee	2020 - Present
UCSF Infection Control Committee	2021 - Present
UCSF Occupational Medicine Residency Advisory Committee	2021 - Present
UCSF Occupational Medicine Residency Program Evaluation Committee	2021 - Present

<u>American College of Occupational and Environmental Medicine</u>	
Workers' Compensation Coding Task Force	2017-2019
Part of ACOEM committee in developing alternative documentation rules for initial and follow-up clinic visits for patients with work injuries, based on research-proven best practices.	

<u>UC Davis Department of Psychiatry and Behavioral Services</u>	
Diversity Advisory Committee, Member	2014-2016

<u>University of Central Florida College of Medicine</u>	
Student-Run Free Clinic Task Force	2010-2012
Led a student task force for proposal of a mobile model of health service delivery to provide long term, free health care to the underserved regions of Central Florida. Research and development of the proposal resulted in the development of the KNIGHTS Clinic, the first UCF Student Run Free Clinic.	

AMSA SeaCouver Healthcare Policy Conference	2011
Funded to participate in a study-tour examining US and Canadian healthcare policies and models of healthcare delivery, including site-visits, lectures, and discussions at the University of Washington and University of British Columbia.	

Student Interest Group in Neurology (SIGN)	2010-2012
Founding member	

University of Miami Department of Community Services Leadership Retreat	2010
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Presented UCF College of Medicine's community service efforts including discourse on planning and implementation of community health projects. Served as a medical volunteer at the Florida Keys Health Fair, providing medical care to the underserved population of Florida Keys.

COMMUNITY SERVICE

St. Thomas Aquinas Medical Center – St. Cloud, Florida Medical volunteer for a free health clinic serving uninsured patients.	2010-2014
University of Central Florida Student-Run Free Clinic – Orlando, FL Served as volunteer and preceptor for first and second-year medical students in providing health care to the underserved population.	2010-2014
Veteran Affairs Stand Down for the Homeless – Orlando, FL Guided homeless veterans through the processes required to receive medical services, acquire government IDs, and access to community resources.	2010
San Francisco General Hospital – San Francisco, CA Emergency Department Volunteer	2009-2010

RESEARCH

<u>Hanoi Medical University</u> Research focuses on health issues amongst workers in textile factories in Vietnam.	2017-Present
<u>Johns Hopkins University School of Public Health Department of International Health Research Fellow</u> Research projects in workplace injuries in Qatar to inform policies and programs to reduce the health burden, in terms of deaths and disabilities, and the healthcare costs from work-related injuries	2016-2019
<u>Johns Hopkins University School of Medicine</u> Assisted in the implementation and evaluation of CDC Worksite Health Scorecard for measuring workplace health promotion programs across the 12 Johns Hopkins Medicine entities.	2016-2017
<u>UCF College of Medicine – Florida Hospital Transplant Center</u> Developed a retrospective study looking at socioeconomic factors as determinants of waiting time and survival outcomes in kidney transplantation.	2010-2013
<u>University of California, San Francisco Department of Anatomy</u> Examined the role of dopamine in contextual reward memories associated with alcohol in <i>Drosophila Melanogaster</i> .	2008-2010
<u>University of California, Riverside Department of Entomology</u> Studied the role of biogenic amines in the modification of behavior and development of <i>Manduca sexta</i>	2007-2008

PUBLICATIONS

- Incidence and Characteristics of Delayed Injection Site Reaction to the mRNA-1273 SARS-CoV2 Vaccine (Moderna) in a Cohort of Hospital Employees. Clin Infect Dis. 2021 Jun 04. Jacobson MA, Zakaria A, **Maung Z**, Hart C, McCalmont T, Fassett M, Amerson E. PMID: 34086881. 2021
- The Heat Death Line: Proposed Heat Index Alert Threshold for Preventing Heat-Related Fatalities in the Civilian Workforce. New Solut. 2020 Aug; 30(2):138-145. **Maung Z**, Tustin AW. PMID: 32552315. 2020
- Work related injuries in Qatar: a framework for prevention and control. J Occup Med Toxicol. 2018; 13:29. Mehmood A, **Maung Z**, Consunji RJ, El-Menyar A, Peralta R, Al-Thani H, Hyder AA. PMID: 30202423. 2018
- Prevalence of Allergic Rhinitis and Individual Prevention Practices Among Textile Workers in Vietnam. Global Journal of Health Science. 2018; 10(7). Thuc Thi Minh Vu, **Zaw Maung**, Long Giang Nguyen, Hung Quang Nguyen, Tung Thanh Truong, Ky Minh, Trong Nguyen Tuan Le, Binh Thanh Ngo, Phuong Hoang Nguyen, Tung Thanh Tran, Cuong Tat Nguyen¹⁰, Bach Xuan Tran, Carl A Latkin, Cyrus SH Ho, Roger CM Ho 2018
- Using the CDC Worksite Health ScoreCard to Assess Employer Health Promotion Efforts: A Case Study at Johns Hopkins Medicine. J Occup Environ Med. 2018 02; 60(2):e98-e105. Safeer R, Bowen W, **Maung Z**, Lucik M. PMID: 29065057. 2018
- Factors That Impact the Willingness to Accept Expanded Criteria Donor Kidneys. Journal of Nephrology and Renal Transplantation. 2013; 5(2). **Zaw Maung**, Thomas Chin, Robert Metzger, Bobby Nibhanupudy, Giri Vedula, Michael Angelis. 2013
- A Drosophila model for alcohol reward. Nat Neurosci. 2011 May; 14(5):612-9. Kaun KR, Azanchi R, **Maung Z**, Hirsh J, Heberlein U. PMID: 21499254. 2011

PRESENTATIONS AND POSTERS

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- "Prevalence of Allergic Rhinitis and Individual Prevention Practices Among Textile Workers in Vietnam." **Z. Maung**, B. Tran. 2018 American Occupational Health Conference Poster Presentation 2018
- "Health-Related Quality of Life Among Food Sellers Across Different Food Facilities in Vietnam **Z. Maung**, L. Nguyen, B. Tran. Johns Hopkins Global Health Day 2018 2018
- "Age, Primary Cause Of End Stage Renal Disease And Waiting Time, Not Ethnicity Or Education Level, Impacts Willingness To Accept Expanded Criteria Donor Kidneys." **Z. Maung**, M. Angelis. Cureus Fall 2012 Poster Competition, Transplantation. 2012
- "Diagnosis and Management of Colonic Volvulus." **Z. Maung**. Florida Hospital General Surgery Grand Rounds. Orlando, FL. July 20, 2012. 2012
- "Pauci-Immune Crescentic Glomerulonephritis; Pathogenesis, Diagnosis, and Management." **Z. Maung**. Florida Hospital Internal Medicine Noon Report. Orlando, FL. November 12, 2012. 2012

"Socioeconomic factors, ethnicity and blood type as determinants of willingness to accept expanded criteria kidney." Z. Maung, M. Angelis. University of Central Florida College of Medicine FIRE Project Research Symposium. Orlando, FL. Mar 22, 2011.

2011

INVITED LECTURES

Saint Francis Memorial Hospital, San Francisco, CA Mold in the Workplace: Review of Health Effects	03/2021
Johns Hopkins University, Baltimore, Maryland Utilization Review in Workers' Compensation	02/2020
Tam Anh Hospital, Hanoi, Vietnam Building Rapport with Patients and Eliciting Medical History	01/2018
Yên Bái Hospital, Yên Bái, Vietnam Introduction to Evidence-Based Medicine	02/2018
Hutech University, Ho Chi Minh City, Vietnam Overview of U.S. Medical Education and Healthcare System	02/2018